

Shreeram Sankar

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Education

New York University Tandon School of Engineering

Master of Science in Computer Science, Expected May 2026

Relevant Coursework: Data Structures and Algorithms, Machine Learning, Database Management

ANNA UNIVERSITY (REC Chennai)

Bachelor of Engineering in Computer Science and Engineering, Nov 2020 - May 2024

Relevant Coursework: Operating Systems, Computer Networks, Software Engineering

Skills

Programming Languages: Python, R, SQL, PHP, JavaScript, HTML, CSS

Data Visualization: Matplotlib, Seaborn, Plotly, ggplot, Shiny, D3.js, Tableau, Power BI, Google Charts

Machine Learning: TensorFlow, Scikit-learn, Keras, NLP, Predictive Modeling, Classification, Regression, Clustering

Data Analysis: Pandas, NumPy, Jupyter Notebooks, Statistical Analysis, EDA

Databases: MySQL, PostgreSQL, MongoDB

Tools & Technologies: UiPath RPA, Flask, Cloud Computing, ETL Pipelines, Git, Docker

Experience

VIRTUSA - Intern Delivery - Data Analyst

Chennai, India | Aug 2023 - Dec 2023

- Developed a carbon footprint analyzer platform using Python, SQL, and machine learning, resulting in increased user engagement and automated ESG score analysis.
- Led a cross-functional team of 3 junior developers using Agile methodologies.

- Spearheaded website carbon footprint integration using Flask and PHP, enhancing data accuracy through UiPath RPA automation.
- Created dynamic visualizations using Google Charts and Tableau for competitor benchmarking.

Projects

Fire Recovery Companion

PHP, SQL, D3.js, Bootstrap, Data Analytics, UI/UX Design

Developed a recovery platform for Los Angeles wildfire survivors, providing tools for logging lost items, real-time updates, and resource location.

Automated News Sentiment Extraction

UiPath RPA, Python (Flask), NLP, Machine Learning, SQL, Data Visualization

Implemented a sentiment analysis pipeline using UiPath to scrape news, integrated data into a Flask app, and developed an interactive dashboard for sentiment score visualization.

Multimodal Fusion for Brain Medical Image Segmentation

Python, TensorFlow, Deep Learning, CNN, Image Processing, Computer Vision

Engineered a deep learning model using multimodal data fusion for brain disease diagnosis, published in IEEE at the 2024 International Conference on Intelligent Technologies.

Interactive Global Cancer Trends Visualization

D3.js, JavaScript, HTML/CSS, Data Visualization, Statistical Analysis, Public Health Analytics

Developed an interactive data visualization framework using D3.js to analyze global cancer trends.

Cataract Detection System

Python, TensorFlow, Keras, CNN, Transfer Learning, Image Processing

Automated cataract detection system using transfer learning and image segmentation, published in IEEE at the 2024 International Conference.

Additional

Technical Skills: Data Analysis, Web Development, Database Management, Machine Learning

Soft Skills: Team collaboration, problem-solving, adaptability, communication

Certifications: Data Tableau (Jobaaj), Introduction to Tableau (Simplilearn), Python Data Structure (Coursera)

Awards: Title Explorer (Virtusa Jatayu Hackathon), DNA Analysis Software (REVA Ideathon)